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ABSTRACT

This evaluation attempts to measure the extent and effectiveness of ESEA Title I programs designed to meet the needs of disadvantaged children and apprizes the public and the legislature of program outcomes. In keeping with USOE requirements for evaluating Title I programs, this document is constructed of (1) responses to USOE probes by questionnaire sequence, (2) applicable supplementary or background information, and (3) available related findings. Data were collected from interviews with selected personnel from the Commonwealth of Puerto Rico Department of Education; reaction reports from teachers, administrators, State ESEA Title I personnel, and university personnel; onsite visitations by Title I staff and university consultants; and evaluation supplement and narrative reports distributed to local educational agency Title I directors and activity directors. (EA)



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Commonwealth of Puerto Rico DEPARTMENT OF EDUCATION Hato Key, Puerto Rico

State Annual Evaluation Report Title I, ESEA

Fiscal Year 1970

Submitted by:

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Ramón Mellado

Secretary of Education

Annual Evaluation Report FY - 1970

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Title I - P. L. 89-10

Commonwealth of Puerto Rico
Office of Planning and Educational Development
Office of Evaluation
Department of Education
Hato Rey, Puerto Rico

PUERTO RICO ANNUAL EVALUATION REPORT FISCAL YEAR 1970 (SCHOOL YEAR 1969-70)

TITLE I, PUBLIC LAW 89-10

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Commonwealth of Puerto Rico
Department of Education
Hato Rey, P. R.

Office of Planning and Educational Development

ANNUAL EVALUATION REPORT Fiscal Year 1970

Introduction:

As a result of changes in federal and local administration in 1969 and the subsequent revision of prevailing policies and guidelines initiated under Title I, special efforts were made in Puerto Rico to concentrate as much as possible the use of Title I funds in the sector of greatest need in the island. For fiscal year 1969-70, on the basis of the best available data, this sector was defined as corresponding to those geographically isolated municipalities with the lowest per capita income, and the lowest academic achievement including a total of thirty five school districts. However, because of continuing needs, Title I federal funds were also used in certain island-wide activities.

Four main projects were designed, each including a varied number of activities, with emphasis on the following:

- A. Increasing the actual number of hours of instruction
- B. Improving the physical, social and emotional development of disadvantaged pupils





- C. Raising academic achievement
- D. Enhancing the quality of pre-school education

Within this framework a number of the activities initiated in previous years were continued.

Decisions made concerning the selected area of acute deprivation in the island obviously affected the development of evaluation efforts initiated in previous years, especially the already established cumulative data base. Only nine districts within the new group of 35 districts included in the area of priority were part of the 21 district sample for which data had been gathered in previous years. For evaluation purposes a new sample of nine districts was selected on the basis of the following criteria:

- (1) Socio economic level
- (2) Total enrollment
- (3) Proportion of urban and rural school enrollment
- (4) Geographical distribution

These nine districts were classified under three different groups on the basis of past or present participation in the program. $\underline{1}/$

- (1) Three districts participating in the program for "the first time" this year. (F Y 1970).
- (2) Three districts that participated in the past and continue to participate. (1965-70).
- (3) Three districts not participating in the program this year or before.

Testing programs as well as other types of activities developed as part of the evaluation of the overall Title I program in Puerto Rico were mainly concentrated in the nine districts described above. See Map on the next page.

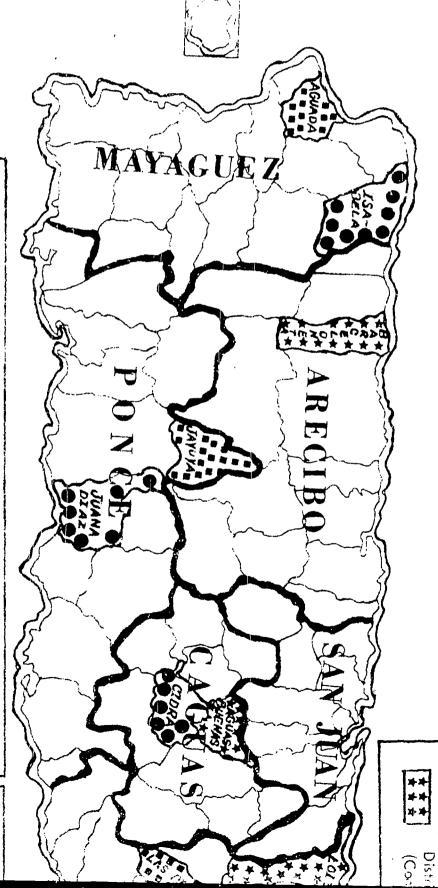


^{1/ &}quot;Participation" as referred to throughout this report is a relative rather than an absolute concept. Due to the fact that prior to 1970 the whole island was considered eligible, all districts had benefited to some extent from services provided with Title I funds.

EVALUATION SAMPLE FY 1969

Distr

Dist:



2											
IC Sed by ERIC		57.5	51,5	34.7	51.3 34.	60.7	55.7 60.7	45.2	64.9 61.4		b. Rural Percentage
28,631 3	28,	10,372 42.4	5,678 38.4	5,310 65.3	7,815 48.7	,500 10,188 44.3 39.3	7,500 10,188 44.3 39.3	1	7,404 5,155 4,947 35.1 38.6 54.8		Enrollment * a. Urban Percentage
Urban	Ç	\$528	\$460	\$592	\$289	\$388	\$355	\$423	\$147	\$305	Per Capita Income
Tora Enrolla		Laiza	Aguas Buenas	Barcelo- neta	Cid:a	Juana Dĭaz	lsab:Ha	Las / Juana Piedras Isabela Dĭoz	Aguada Jayuya	Aguada	
				ICTS	DISTRICTS	S CHOOL	3.5				

EVALUATION SAMPLE Title 1 Program FY 1969





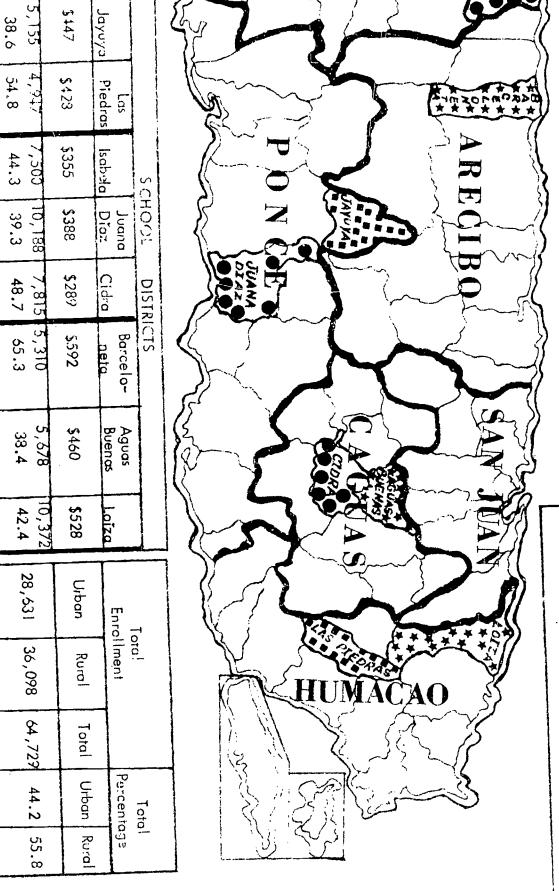
Districts in Title I Program, 1969-70



Districts in Title 1 Program, since 1955



Districts not in the Title I Program (Control districts)



rn Percentage

35.1

Percentage

54.9

61,4

45.2

55.7

60.7

34.7

ra Income

\$305

Aguada

ANSWERS TO QUESTIONS I - IX

I. Basic State Statistics:

Puerto Rico is considered both a State and Local Educational Agency, therefore, our answer to questions A and B is the same.

- A. Total number of operating LEA's in the State 1
- B. Number of LEA's participating in Title I 1
- C. Number of Title I programs 4
- D. Unduplicated number of pupils who participated in Title I programs
 - (1) enrolled in public schools 672,299
 - (2) enrolled in non-public schools 7,138

II. Visits to Title I activities were carried out mainly for evaluation purposes. A breakdown by types of visits and their effect on local projects is presented below:

Number : of Visits:Pro	portion: Purpose	Effect
:	: 6.9% :Observe organization and :lopment of activities be :carried on as part of Ti :projects in public and r :public schools. : : : : : : : : : : :	title I : detected and discussed

Number o	•	:	E.F.
<u>Visits</u>	:Proportion	Purpose ;	Effect
	: : : : : : : : : : : : : : : : : : : :	:	3. Reliable evidence of the different activities in operation was obtained.
	: : : :		4. Clarification of doubts as to the real function of teacher aides according to what was stated in the project.
30		: :Orientation and training in :development of proper evalua- :tion designs. :	1. Detection of discrepancies between the stated objectives and procedures as spelled out in the proposal and the operational program.
	: : :	: : :	2. Project objectives rede- fined in behavior al terms.
417	: : 38.4% :	: :Gather data for statistical :information and evaluation	: : l. Statistical data was : updated.
	: : : :	:purposes. :	2. Personnel at the local level became better informed of all Title I activities.
	: :	: : :	: 3. More accurate and reliabl information was obtained.
	: : : :	: : : :	: 4. Reports on the different: activities were more complete and based on more accurate and reliable data.
40	: 3.7% : 3.7% : :	: :Training local personnel in the :construction, administration, :and use of evaluative instruments. :	: 1. The interpretation of test results helped personnel at the local level to group children according to their needs.

ERIC

Number o	•	.	TICC A
<u> Visits</u>	:Proportion:	Purpose :	Effect
	: : : : : : : : : : : : : : : : : : :		2. Objective data for local evaluation of activities was obtained.
		,	3. Trained teachers became more efficient in constructing tests and in using the results of standardized tests.
10	: 9% : : 9% : : :	Provide orientation on the benefits of Title I Projects.	: 1. Personnel at the local level got a clearer concept of the benefits of Title I Projects.
	: : : : : :		: 2. Number of participants increased.
2	: .2% : : : : : : : : : : : : : : : : : : :	Organization and execution of a dissemination program on activities of Title I Projects.	: 1. Parents and other mem- bers of the community became involved in some of the activities.
40	: 3.7% : : : : : : : : : : : : : : : : : : :	Training on evaluation techniques.	: 1. Personnel at the local level in charge of evaluation became more efficient in evaluating their local projects and their training helped the to train others.
4	: : .4% :	Test administration.	: : 1. More reliable test : results.
	: : : : : : : : : : : : : : : : : : : :		: 2. Teachers load was alle- : viated and at the same : time they got training , : on this important aspect.

Number o	of: :		:
<u>Vișits</u>	:Proportion:	Purpose	: Effect
142*	: 13% :	Evaluation to determine:	: ! 1. Some projects were : revised to meet pro-
	: :	 a) if projects were in fact operating as they had been proposed. 	<pre>posed objectives.</pre>
	: : : : : : : : : : : : : : : : : : :	b) if short range objectives had been attained.	: 2. Important variables : and criteria were : identified in terms
	: :	c) if proper procedures had been bollowed towards the	<pre>: of specific objectives : : 3. Preparation of final</pre>
	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	attainment of long range objectives.	and special evaluation reports.
	: ' :	d) appropriateness of materials and equipment used.	:
	· · · · · · · · · · · · · · · · · · ·	e) effectiveness of Title I activities.	: :
	: : : : :		: :

*108 of these visits were conducted by teams of 2 - 4 evaluators from the office of Evaluation at the Central Office of the Department of Education.

- III. Describe any changes your agency has made in the last three years in its procedures and the effect of such changes to:
 - A. Improve the Quality of Title I Projects -

In an attempt to improve the quality of the Title I Program being conducted in Puerto Rico, special efforts were made during the school year 1969-70 first, to identify the area of higher concentration of children from low income families and second, to concentrate even more the use of Title I funds in the development of activities or services which would better help meet the priority needs of children within the selected area.

Consequently, thirty five school districts were designated as the elegible area and although a complete allocation of Title I resources within this area was not accomplished during the year, at least many of the activities were concentrated there. Several small projects were eliminated and the corresponding funds reallocated to reinforce the four big areas or projects.

Other steps taken toward this end during the year were measures for long term rather than for immediate implementation. The Secretary of Education appointed a Department-wide Committee to take a close look at the applicable bases for conducting the Title I program in Puerto Rico and in particular the Department's responsibilities thereunder. The results of the study were reported and submitted to the U.S. Office of Education for its review and consideration. One of the recommendations included in the report and already operating was the appointment of the Title I Policy Committee, to be composed of at least seven members selected by the Secretary of Education. This Committee recommends to the Secretary a long range (4 year) plan for the utilization of Title I funds in Puerto Rico and will revise it annually. The Committee also serves as an assesor of the progress of the Title I Program.

B. Insure proper participation of nonpublic school children.

Although there were no significant changes in ways of handling Title I allocations for the benefit of non-public school children in Puerto Rico, ten additional private schools located within the designated Title I area of priority, were included in the program after notice of increase in the total Title I allocation to Puerto Rico was received.

IV. EFFECT UPON EDUCATIONAL ACHIEVEMENT

A. As stated in the Introduction, this year, the Testing
Program for the evaluation of the Title I program was limited to nine
school districts. It included the pre and post testing in Spanish and
English Reading of all students of grades 4, 6, 7 and 10 of the nine
selected districts. (See Map on page 3). At the post testing phase an
additional district was included as well as the testing of all students
in grade 12 in the ten districts. Enrollment figures by district, zone
and grade of the participating districts are presented on Table 1 page 15.

The Title I students tested at the beginning of the school year represent 10% of the total school population in the thirty-five school districts selected for the concentration of Title I activities. At the post-testing phase this percentage rose to a 12%.

For the assessment of achievement in both Spanish and English Reading the tests used were the Puerto Rican Educational Testing Service - Spanish Reading Series - Levels 1 - 4, Forms A and B and the Puerto Rican Educational Testing Service - English Reading Series - Levels 1 - 4, Forms A and B.

Results obtained in the Spanish Reading tests show significant gains within the pre and post testing periods in all districts, both urban and rural zones, grades 4 and 6. See Tables 2 and 3. Results obtained by seventh graders in Spanish Reading show also significant gains within the pre and post testing period but there were three districts in which students from the rural zone did not show any significant gain. See Table 4. As shown in Table 5 tenth graders in the nine school districts had significant gains in Spanish Reading within the pre and post testing period.

The gains in English Reading were, as expected, not as high as in Spanish Reading but as shown in Table 6 fourth graders showed significant gains within the pre and post testing period with only four exceptions. Sixth graders showed less gains and in nine cases, no gain at all. See Table 7. Seventh graders as shown in Table 8 had still lower gains and in the majority of cases no gain at all. Table 9 shows that tenth graders in general did not have any significant gains.

With few exceptions, gains in Spanish and English reading in the urban zone were higher than in the rural zone for grades 4, 6 and 7 as shown in Tables 2 to 9.

Comparing post test results with the island wide norms established for these tests in 1968, we find that the performance in Spanish reading of sixth, seventh and tenth graders of our testing sample is markedly below the 50th percentile. Considering that the districts tested are from the lowest socio-economic strata these were to some extent the expected results. However, in the fourth grade, results were more or less similar to the average performance of fourth graders all over the island. This leads us to think that regarding achievement in reading so far the impact of the Title I program has been greater in the primary grades. Although results in the twelfth grade reveal a slight improvement when compared with grades 7 and 10, this is explainable on the basis that in general the best students are the ones who stay in school until high school graduation.

A decision to include the school district of Yabucoa in the post testing phase of this program was made after verifying that this was the only district where to some extent all Title I activities being developed would coincide. Results obtained in this district are presented in Table 11. These show that, in general, students in grades 4, 6, 7 and 10 performed better in

17

both Spanish and English reading than their counterparts in the other nine districts. Performance in Spanish reading of twelfth graders, however, was lower than performance of twelfth graders in four of the nine districts. In English reading twelfth graders performance was lower than the performance of their counterparts in eight of the nine districts. See Tables 10 and 11.

A comparison of the results between the three groups of districts (See Map on page 3) included in the pre and post testing phase shows that Group B (Aguada, Jayuya and Las Piedras) performed better in both Spanish and English reading than either Group A (Juana Diaz, Cidra and Isabela) or Group C (Barceloneta, Aguas Buenas and Loiza). The differences between means were, with very few exceptions, significant to the 1 percent level in favor of Group B. Group A performed significantly better than Group C in eight out of 18 comparisons while Group C performed better than either Group A or Group B in only two comparisons. Thus we can conclude that in general, in both Spanish and English reading, students from the districts included in Group B had the highest performance while those in Group C had the lowest. The fact that Group B performed better than Group A when supposedly districts from Group A have had a longer participation in the Title I program, might be due to other factors. For example an analysis of the distribution of general ability in these districts reveals that Group B has a higher percentage of students in the upper quartiles than either Group A or Group C. See Tables 12 to 14.

^{*}As part of the Regular Testing Program a General Ability Test-Test Puertorriquence de Habilidad General - Levels 2, 3, 4 was administered island wide to students in grades 4, 7 and 10.

However, a comparison between districts show that one of the districts included in Group A, had higher mean scores in Spanish and in English reading in most cases than any other of the eight districts.

A comparison of the results obtained by combining Groups A and B, both of which have had participation in the Title I program, with Group C (control group) shows that in almost all cases the combined groups had higher mean scores than the control group. The differences in means in favor of the combined groups were, in twelve comparisons out of a total of 16, statistically significant. Thus we can reach the conclusion that, other things being equal, students in districts which have had the greatest benefits from the Title I program, have, in general, higher achievement in both Spanish and English reading.

TABLE 1
Enrollment figures by district, zone and grades
Sample for 1969–70 Testing Program for the Evaluation of Title I Program

School District	 റ	Grade 4	.,		Grade 6	о О	••	Grade 7	7	: Grade)10:G	Grade 10: Grade 12	
Group A	: Urban :Rural	Rural	:Total :	otal : Urban :	Rural	: Total	: Urban :): Rural	: Total	: Total		Total :	Grand Total
Juana Dřaz	: 316	752	: 1068 :	270 :	685	955	: 524	: 413	: 937	: 542		314 :	3816
Cidra	: 284	651	: 935 :	197	455	: 662	: 513	: 170	: 683	: 307		155 :	2752
Isabe la	: 238	559	: 797	197 :	470	: 667	: 396	: 275	: 571	: 365		: 268 :	2758
Group B						••	•• ••	•• ••	•• ••				
Aguada	: : 186	: 671	: 857	169	469	: 638	: 234	: : 369	: 503	: 313		174 :	2585
Jayuya	: 159	437	: 596	138	284	422	: 238	: 222	: 460	: 252		3 4 	1864
Las Piedras	: 192	388	: 580	183	295	: 478	: 429		: 429	: 239		101	1827
Group C		••					•• ••	•• ••		•• ••			
Barceloneta		276	: 509 :	183 :	180	: 363	: 411	: 50	: 451	: 280		203 :	1816
Aguas Buenus	: 147	437	: : 584 :	: 148 :	359	: : 507	: : 288	: : 197	: 485	: : 250		133 :	1969
Loĭza	: : 357	798	: 1155	358	675	: 1033	: 535	: : 280	: 815	: 508		328 :	3839
Totals	: : : : 2112 :4969	: :4969	: : : : : : : : : : : : : : : : : : :		: : 3882	: : 5725	: : : : : : : : : : : : : : : : : : :	: : 1976	: : 5544	: 5 544 : 3055		: 1820 :	23236





Results of Pre and Post Tests on Spanish Reading By Districts
Group and Zone
4th. Grade Students

	Districts	Pre	-Test			Post-Tes	t	Differ	ence bet	. X s.
		'Urban	Rural	Total '	Urban	Rural	Total	'Urban	Rural	Total
	Juana Diaz		636 21.1 12.27	895 21.2 10.55	336 28.8 12.78	613 26.5 12.53		7.30*	5.40*	6.20*
	Cidra		555 11.9 10.36	771 21.0 9.98	249 28.0 10.28	409 26.4 11.69		5.70*	4.50*	6.00*
		' <u>N</u> 191 'X 24.'	435 25.3 9.98	626 25.0	228 32.4	469 30.1 12.14	697 30.8	8.00*	4.80*	5.80*
		N 733 1 X 22.4	690 22.1 10.0	2423 22.2 10.1	813 29.5 12.5	1491 27.6 12.3	2304	7.10*	5.50*	6.10*
	Aguada	1X 28.1	562 23.3 9.17	24.4	160 32.4 14.78	531 26.6 11.73	691 27.9 12.74		3.30*	3.50*
	J a yuya	1 <u>N</u> 131 1X 22.5	340 21.7 8.17		136 30.8	365 28.5 10.50	501 29.1 11.66	18.30*	6.80*	7.20*
	Las Piedras	1.N 1.73 1.X 26.6	344 20.1 9.10	22.3	195 31.9 13.34	294 23.8 10.44	489 27.0 13.33		3.70*	4.70*
,	-	1			491 31.7 14.1	1190 26.5 11.2	1681 28.0 12.3	'5.70*	4.50*	4.90*
	Barceloneta	X 21.1	228 21.5 9.65	418 21.3 9.85	197 25.1 10.76	222 25.2 10.22	419 25.2 10.48	4.00*	3.70*	3.90*
	A guas Buer a	s N 135 X 23.8 S.D. 9.24	355 22.5 8.12	490 22.9 8.46	124 30.2 10.54	340 27.9 11.19	464 28.5 11.07	6.40*	5.40*	5.60*
·	Loiza	N 268 X 25.2 S.D. 12.15	620 22.0 11.30	709 23.0 11.65	159 29.1 11.84	747 26.3 14.35	906 26.8 13.98	3.90*	4.30*	3.80*
	Group C	X 23.6	203 22.1 9.7		480 27.7 11.3	1309 26.6 13.0	1789 26.9 12.6	'4.10*	4.50*	4.30*



Results of Pre and Post Tests on Spanish Reading By Districts
Group and Zone
6th. Grade Students

	Districts		Pre-T	est			Post Tes	st	Differer	ce bet.	X s.
		'Urbar	1	Rura1	Total	'Urban	Rural	Total	'Urban	Rural	Total
	Juana Diaz	' <u>N</u> 'X 'S.D.	251 35.3 19.47	610 33.6 15.29	34.1	1253 139.8 121.57	595 39.4 16.55	848 39.5 18.19	'4.50**	5.80*	5.40*
•	Cidra	' <u>N</u> 'X	162 38.0 13.52	469 36.3 13.13	631 . 36.7 13.25		351 42.7 15.76	493 43.2 15.60	i '6.60*	6.40*	6.50*
	Isabela	' <u>N</u> 'X		425 41.5 13.64	597 42.0	181 181 148.8 116.35	383 47. 3 15.88	564 47.7 16.05	15.50*	5.70*	5.70*
	Group A	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	585 38.4 17.2	1504 36.7 14.6	37.1	; 576 ; 43.8 ; 19.0	1329 42.5 16.5	1905 42.9 17.3	'5.40*	5.80*	5.80*
	Aguada	$\frac{N}{X}$	164 41.3 16.89	422 35.8 12.81	37.3	139 147.4 18.14	388 40.6 15.95	527 42.4 16.82	6.10*	4.80*	5.10*
' ,	Jayuya	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	116 44.0 16.08	229 36.6 13.22	39.1	121 149.8 17.37	234 43.9 14.40	355 45.9 15.72	' '5.80*	7.30*	6.80*
	Las Piedras	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	170 43.6 16.18	276 37.4 13.27	39.7	' 168 ' 50.8 ' 16.81	259 43.9 15.68		' '7.20*	6.50*	7.00*
	Group B	$\frac{N}{X}$	450 42.9 16.5	927 36.5 13.1	38.6	'428 '49.4 '17.5	881 42.5 15.6	1309 44.8 16.5	6.50*	6.00*	6.20*
	Barceloneta	' <u>м</u> Х З.D.	168 37.6 16.06	159 38.6 13.57	38.1	161 43.6 17.78	162 44.2 15.37	323 43.9 16.62	6.00*	5.60*	5.80*
	Aguas Buenas	' <u>N</u> 'X 'S.D.	130 39.9 14.66	323 36.9 14.42	37.8	175 47.0 16.44	272 44.2 17.45	447 45.3 17.12	7.10*	7.30*	7.50*
	Loiza	<u>X</u> S.D.	290 36.6 16.95	548 34.7 15.53	35.3	310 41.9 17.87	528 40.0 18.41	838 40.7 18.24	; ; ; ; ;	5.30*	5.40*
	Group C	' <u>N</u> 'X 'S.D.	588 37.6 16.3	1030 36.0 15.0		'646 ' 43.7 ' 17.6	962 41.9 17.8	1608 42.6 17.7	6.10*	5.90*	6.00%
		•				ī			1		



Results of Pre and Post Tests on Spanish Reading By Districts
Group and Zone
7th. Grade Students

Districts	Pre-	Test	:	Post Test	_	Differ	ence be	$t.\overline{X}_{s}$	
	Urban	Rural Tota		Rural	Total		Rural		
Juana Diaz	N 467 X 32.4 S.D. 12.39	360 827 30.2 31 11.81 12	.4 35.8	34.4	806 35.2 12.17	3.40*	4.20*	3.80*	
Cidra	' <u>N</u> 439 'X 31.0 'S.D. 10.81	140 579 30.8 31 10.33 10	and the second s	3 2.0		3.70*	1.20	3.00*	
Isabela	' <u>N</u> 304 'X 34.0 'S.F. 11.50	239 543 33.1 33 10.52 11	_	33.7		3.00*	.60	2.00*	
Group A	' <u>N</u> 1210 'X 32.3 'S.D. 11.7	739 1949 31.3 31 11.2 11	.9 ' 35.7	727 1 33.8 10.7	34 . 9	3.40*	2.50*	3.00*	
Aguada	'N 228 'X 37.2 'S.D. 13.08	264 492 31.9 34 9.56 11	208 .4 38.8 .63 7.67	3 4.6	36.50	1.60	2.70*	2.10*	ŗ
J a yuya -	' <u>N</u> 212 'X 33.6 'S.D. 12.96	156 368 30.6 32 10.47 12	.3 '38.1	36.1	360	4.50*	5.50*	4.80*	
Las Piedras	' <u>N</u> 393 'X 33.3 'S.D. 12.04	393 33 12			385 36.5 13.06	3.20*		3. 20*	<u>_</u>
Group B	' <u>N</u> 833 'X 34.5 'S.D. 12.7	420 1253 31.4 33. 9.9 11.	.4 ' 37.5	443 1: 35.2 10.9	218 36.7 12.5	3.00*	3.80*	3. 30*	<u> </u>
· Barceloneta	\overline{X} 32.2	16 397 37.9 32 11.88 11	.4 ' 36.2	36.3	36.2	4.00*	1.60	3.80*	_
Aguas Buenas	S' <u>N</u> 246 'X 33.5	166 412 32.0 32 10.12 11	'229 .9 ' 37.5	152 36.4	381 37.0	4.00*	4.40*	4.10*	
Loiza	' <u>N</u> 451	228 679 30.7 30 12.00 11	'405 .4 ' 35.7	221 34.5	626 35 . 2		3.80*	4.80*	
Group C	' <u>N</u> 1078	410 1488 31.5 31. 11.4 11.	'958 .6 ' 36.3		372 '	4.60*	3.90*	4.40*	

Significant at 1% level.



TABLE 5

Results of Pre and Post Tosts on Spanish Reading By District
Group and Zone
10th. Grade Students- Urban Zone

• •	Districts	Pre-Test	Post Test	Difference between means
•	Juana D i az	<u>N</u> 486 X 28.8 S.D. 11.7	472 33.3 11.46	4.50*
	Cidra	N 291 X 29.4 S.D. 10.6	236 34.6 11.56	5.20*
·	Isabela	N 318 X 30.4 S.D. 11.6	290 35.2 12.61	4.80*
	Group A.	<u>N</u> 1095 X 29.4 S.D. 11.4	998 34.2 11.9	4.80*
	Aguada	<u>N</u> 293 X 30.3 S.D. 11.3	2 3 4 34.8 10 . 65	4.50*
. •	Jayuya	$\frac{N}{X}$ 231 30.0 S.D. 11.7	451 35.2 11.44	5.20*
	Las Piedras	N 216 X 31.4 S.D. 12.6	215 37.8 12.22	6.40*
	Group B	N 740 X 30.5 S.D. 11.8	900 35.7 11.5	5.20*
	Barceloneta	$\frac{N}{X}$ 228 $\frac{N}{X}$ 28.9 S.D. 11.6	179 34.6 10.77	5.70*
	Aguas Buenas	N 212 X 29.6 S.D. 11.4	211 33.2 11.02	3.60*
·	Loiza	<u>N</u> 359 X 29.0 S.D. 11.6	310 31.9 11.0	2.90*
	Group C	<u>N</u> 799 X 29.2 S.D. 11.5	700 33.0 11.0	3.80*

^{*} Significant at 1% level.

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TABLE 6

Results of Pre and Post Tests on English Reading By Districts
Group and Zone
4th. Grade Students

The state of the s

Districts		Pre	-Test			Post-1	`est	Differe	nce bet.	means
	'Urban		Rural		Urban	Rural	Total	'Urban	Rural	Total
Juana Diaz				957 18.5	296 22.1 8.86	645 22.0 7.74	22.1	'. '3.10*	3.70*	3.60*
Cidra	' <u>N</u> 'X 'S.D.	254 19.9 6.20	553 19.8 6.13			500 22.6 8.35	22.8 8.40	1	2.80*	3.00*
Isabela	' <u>N</u> 'X	216 24.4 9.52		24.2	'141 ' 28.4 ' 12.03		567 27.8	'4.00*	3.50*	3.60*
Group A	' <u>N</u> 'X	20.8	1700 20.4 7.2	20.6	23.9	1571 23.7 8. 9	2223 23.8 9.2	3.10*	3.30*	3.20*
Aguada	' <u>N</u> 'X	134 25.6 9.3	572 21.0 7.0	21.9	165 27.0		751 24.7 11 .0 2	1.40	3.00*	2.80*
Jayuya 	' <u>N</u>	126 19.7 8.55	353 20.5 5.90	20.3			22.2	'4.90*	.80	1.90*
Las Piedras	$\frac{N}{X}$		17.2	500 18.8 7.88		21.1	23.4 %	6.50*	3.90*	4.60*
Group B	1		1212 19.9 6.9	1685 20.5 7.6	26.5	1269 22.5 9.5	1738	,4.50*	2.60*	3.10*
Barceloneta	$_{1}$ \overline{X}		19.8			257 23.3 10.1	440	1 3.90*	3.50*	3.30*
Aguas Buenas			19.8	475 20.3 7.49	29.8	23.8	441 24.2 8.9	'8.60*	4.00*	3.90*
Lo1za	' <u>N</u>	255 23.2	633 19.9		'281 '21.2	659 21.4	21.3	12.00**	1.50*	.40
Group C	' <u>N</u> 'X	518	1255	1773 20.4	' ' 491	1330 22.5	1821	.30	2.70*	2.00*

^{*} Significant at 1% level.

^{**} Stignificant at 5% level.



TABLE 7

Results of Pre and Post Tests on English Reading By Districts
Group and Zone
Sixth Grade Students

D	istricts		Pre-T	est		Р	ost-Test		Differer	ice bet	$\overline{\mathbf{x}}$
		'Urbar	ı	Rural	Total	'Urban	Rural	Total	'Urban		
Ju		$\frac{N}{X}$	243 28.9 13.77	547 27.9 10.88	790 28.2 11.85	240 32.0 14.27	590 29.4 11.47	830 30.1 12.40	3.10**	1.50**	1.9
Ci	.dra	$\frac{N}{X}$	169 30.5 10.22	324 26.4 8.65	493 27.8 9.42	154 32.0 11.53	345 30.9 10.48	499 31.3 10.83	,1.50	4.50*	3.5
Is	abela	$\frac{N}{X}$	174 34.7 13.69	419 32.0 12.94	593 32.8 13.22	,179 , 35.7 , 13.63	424 34.2 13.75	603 34.7 13.73	1.00	2.20**	1.9
Gr	oup A	, <u>N</u>	586 31.1 13.10	1290 28.9 11.3	1876 29 . 6	1	1359 31.3 12.2	1932 31.8 12.6	1 2.00**	2.40*	2.2
Ąg	guada	' <u>N</u> 'X	154 35.8 13.80	585 31.2 11.87	32.2	144 35.9	367 31.2 11.20	511 32.5 12.56	.10	.0	.3
Ja	yuya	' <u>N</u> ' X ' S.D.	122 32.5 13.35	228 28.3 9.15	350 29.8	124	235 27.8 11.02	359	3.00	.50	.7
La	s Piedras	' <u>N</u> ' X ' S.D.	161 34.7 13.19	247 27.7 10.47	408 30.4	' 213 ' 38.5 ' 13.12	261 31.4 11.60	474 34.6 12.80	' '3.80**	3.70*	4.2
Gr		' <u>N</u> 'X	437 34.5 13.5	1060 29.7 11.1	31.1	'481 ' 36.9 ' 13.8	863 30.3 11.4	1344 32.7 12.7	12.40**	.60	1.6
	arceloneta	N X S.D.	161 28.6 11.82	160 30.7 10.98	321 29.6 11.46	167 31.7 13.49	143 32.7 12.84	310 32.1 13.21	3.10**	2.00	2.!
Ag	guas Buenas	$\frac{N}{X}$	135 32.4 11.58	305 30.2 10.89	440 30.9 11.16	54 37.3 13.28	260 34.3 10.86	314 34.8 11.37	4.90**	4.10*	3.9
Lo	oîza	' <u>N</u> 'S.D.	298 28.9 11.59	529 25.4 9.74		'275 ' 31.3 ' 13.66	446 26.3 10.90	721 28.2 12.27	12.40**	. 90	1.5
Gı	roup C	$\frac{N}{X}$	594 29.6 11.80	994 27.7 10.6	1588 28.4 11.1	496 32.1 13.70	849 29.8 11.8	1345 30.7 12.6	2.50*	2.10*	2.:

^{*} Significant at 1% level.

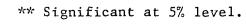






TABLE 8

Results of Pre and Post Tests on English Reading by Districts
Group and Zone
Seventh Grade Students

ricts		Pre	Test		Pos	st Test		Differen	nce bet.	<u> </u>
	'Urbaı		Rural	Total	'Urban	Rural	Total	'Urban	Rural	Total
	١X		404 22.1 9.21	854 23.4 9.50				1.70**	1.70**	1.70*
			94 21.6 7.66	554 21.9 7.88	'389 '24.7 '9.17	122 22.3 7.23	24.1.	12.70*	.70	2.20*
ela	' <u>N</u> 'X 'S.D.	287 27.6 10.18	238 26.5 10.29	525 27.1 10.25				.10	.20	.20
	' X	24.3	736 23.4 9.6	1933 24.0 9.50	1130 26.0 10.0			1.70*	1.20**	1.40*
ıda	N X S.D.	83 27.9 10.18	313 24.0 8.30	396 24.9 10.25	210 29.7 11.12	248 25.0 8.99	458 27.2 10.29	1.80	1.00	2.30*
ıya	$\frac{N}{X}$	335 27.5 10.32	183 23.8 7.58	518 26.2 9.6	207 26.4 11.14	92 24.2 7.41	299 25.7 10.2	1.10	.40	.50
	$\frac{N}{X}$	388 24.6 10.27		388 24.6 10.27	369 26.9 11.88		369 26.9 11.88	2.30*		
ір В	$\frac{N}{X}$	806 26.2 10.4	496 24.0 <u>8.</u> 0	1302 25.30 9.60	786 27.6 11.6		1126 26.7 10.8	1.40**	.80	1.40
loneta	<u>N</u> X S.D.	331 23.7 10.01	35 23.5 8.88	366 23.7 9.91	331 , 24.6 , 10.83			.90	2.10	1.00
Buena	s <u>N</u> X S.D.	258 26.1 11.03	143 23.6 6.71	401 25.2 9.79	, 287 , 27.0 , 10.85	70 23.1 7.06	357 26.3 10.33	.90	.50	1.10
za	<u>N</u> X 'S.D.	432 23.3 9.86	247 22.1 7.95	679 22.9 9.23	, 412 , 24.5 10.10	217 23.2 8.48	629 24.1 9.59	, 1.20	1.10	1.20
up C	' <u>N</u>	1021 24.1 10.3	425 22.7 7.7	1446 23.7 9.60	1030 25.3 10.6	325 23.5 8.7	1355 24.8 10.2	1.20**	.80	1.10**
	a Diaz a ela ela iya ida iya iras ip B	Urban a Diaz N	Urban 450	Urban Rural	Urban	Urban Rural Total Urban	Urban Rural Total Urban Rural Urban Rural August August	Urban	Urban Rural Total Urban Total Urba	Urban



Significant at 1% level.

TABLE 9

RESULTS OF THE PRE AND POST TESTS ON ENGLISH READING BY DISTRICT, GROUP AND ZONE

10th GRADE STUDENTS - URBAN ZONE

District		Pre-Test	Post-Test	Diff. between Means
Juana Diaz	N X SD	456 24.0 8.69	476 25.6 8.80	1.6
Cid ra	N X SD	257 22.9 6.93	234 24.0 6.90	1.1
Isabela	N X SD	279 26.5 10. <u>7</u> 3	330 26.0 11.03	5
Group A	<u>№</u> X · SD	992 24.4 9.0	1040 25.4 9.2	1.0
Aguada	N X SD	273 25.9 10.03	275 25.2 10.36	7
Jayuya 	$\frac{N}{X}$	195 24.5 9.43	239 24.7 9.45	. 2
Las Piedras	N X SD	190 26.2 10.13	198 26.0 10.50	2
Group B	$\frac{N}{X}$ SD	658 25.6 9.9	712 25.3 10.1	3
' Barceloneta	<u>N</u> X SD	216 22.8 8.58	218 24.1 9.0	1.3
Aguas Buenas	<u>N</u> X SD	207 24.6 8.96	132 26.5 9.42	1.9
Loiza	<u>N</u> X SD	298 23.2 .8.99	333 23.0 8.83	2
Group C	N X SD	721 23.5 8.9	6 83 24.0 9.1	.5

TABLE 10
Results Tests on Reading By District and Group-Twelfth Grade Students

Districts	Spanish Reading	: English Reading
Juana Dřaz	N 27/ X 38.1 SD '2.77	: N 276 : X 27.4 : SD 8.15
Cidra	N 220 X 38.7 SD 12.49	: N 116 : X 26.9 : SD 9.29
Isabela	N 205 X 39.9 SD 12.51	: N 191 : X 30.7 : SD 12.09
Group A	N 616 X 38.8 SD 12.7	: N 583 : X 28.4 : SD 9.9
Aguada	N 140 X 42.7 SD 12.49	: N 135 : X 30.7 : SD 12.24
Jayuya	N 123 X 41.7 SD 13.41	: N 117 : X 29.3 : SD 10.54
Las Piedras	N 84 X 35.4 SD 10.74	: N 89 : X 24.3 : SD 9.82
Group B	N 347 X 40.6 SD 12.3	: N 34! : X 28.7 : SD 11.3
Barceloneta	N 140 X 41.1 SD 12.32	: N 135 : X 29.9 : SD 10.99
Aguas Buenas	N 100 X 34.5 SD 13.88	: N 105 : X 27.9 : SD 10.83
Loīza	N 268 X 37.5 SD 12.27	: N 245 : X 26.9 : SD 10.72
Group C	N 508 X 37.9 SD 12.8	: N 485 : X 27.9 : SD 10.9

TABLE 11

RESULTS OF POST TESTS IN YABUCOA SCHOOL DISTRICT

SPANISH READING

Grades: 1	4	6	7	1.0	12
U rba n Zone <u>N</u> X SD	119 37.8 13.74	· 85 56.6 1 2 .77	201 37.9 10.39	369 35.3 11.63	207 39.0 13.97
Rural Zone $\frac{N}{X}$ SD	741 29.9 12. 2 1	623 48.8 15.74	458 36.6 11.43		
Total N X SD	860 31.0 12.73	708 49.8 15. 62	659 37.0 11.14	369 35.3 11.63	207 39.0 13.97
	<u>E</u>	NGLISH READ	ING		
Grades: 1 Urban Zone $\frac{N}{X}$ SD	4 121 29.4 11.25	6 117 40.9 15.13	7 199 2 5.1 8.79	10 357 26.4 9.65	12 206 25.5 11.41
Rural Zone $\frac{N}{X}$ SD	77 8 25.9 9.79	591 35.7 11.55	456 27.4 9.83		
Total <u>N</u> X SD	899 26.3 10.07	708 36.5 12.37	655 26.7 9.57	357 26.4 9.65	206 25.5 11.41



TABLE 12
General Ability Test Results
Number and percentage of fourth grade students scoring as to island wide norms for 1969–70

School Districts : 2	25th ₁	percentile and below	: 26th	to 50th percentile	ercentil	5]+	1 to 75 ne	percentile	. 7 th n	75th percentile	ت ت	and above
					0.00		10/0000	00111		1000000	1	0000
		· · · · · · · · · · · · · · · · · · ·		Triban : Burni	· Total	·	 D	·		 5	•	Total
	Z	: 108 :279 : 387	: 73	: 178	: 251	: 51	: 51 : 137	: 138	: 55	: 88		143
Juana Diaz : '	8	: 3/.6 :40.9 : 39.9	: 25.4	25.1	: 25.9		. 20.1	: 19.4	: 19.2	:12.9		14.8
Cidra : I	Z		: 67	••	: 212	: 53	: 102	: 155	: 44	.: 1 .: 80	••	124
	6	: 43.4 : 37.7:41.1	23.	20./	. 23.4	10.3	. 10.0	10.0	: 13.2	:14./		14.7
Isabela :	Z	: 45 : 129 : 175	. 71	: 142	: 213	 54	: 122	: 176	 4]	: 117		158
	%	:21.7 :25.3:24.2	: 33.5		: 29.5	: 25.5	: 23.9	: 24.4	: 19.3	:22.9	••	21.9
			••	•	• •• !	••	• ••		• •• . :		 	
Aguada : I	Z	: 33 : 214 : 247	 ယ	: 157	: 188	: 50	: 127	: 177	 63	: 96		159
	%	6:35.0:	: 17.5		: 24.4	: 23.2	: 21.4	: 23.0	: 35.6	: 15.2		20.6
••	-		 ဒ		 	 3					••	100
. c	% Z	: 39.4 : 30.3:32.7	: 27	. 24 5	. 23.4	: 15.7	. 28 0	. 24.9	. 23.9	: 17.2	• ••	19.0
		1		[••	••		••				
Las Piedras :	Z	: 37 : 123 : 155	: 40	: 94	: 134	: 41	: 55	: 97	: 57	: 39		96
: %	%	: 21.1 :40.4:33.5	: 22.9	:29.7	:27.2	: 23.4	: 17.7	: 19.7	: 32.6	: 12.3		19.5
			••	••	.,	••	••	••	••	••	••	
Barceloneta :	Z	: 70 : 73 : 143	 51	: 52	 		 60	. 94		 61	•• •	100
	%	:29.7:3	: 26.3	: 21.1	: 23.4	: 17.5	: 24.4	: 21.4	: 20.1	: 24.8		22.7
	 		••	••		••		••	••		••	
Aguas Buenas :	Z	: 21 : 39 : 120	: 43		: 153	: 14	: 105	: 150	: 28	: 61	••	? , 89
	%	: 15.4 : 25.3 : 23.4	: 31.6	: 29.3	: 29.9	: 32.4	: 28.2	: 29.3	: 30.9	: 17.0		20.4
	Z	· · 103 · 292 · 395	 <u>s</u>	. 135	. 216	. 59	: 112	: 171	 43	<i>.</i> . 97		135
••	9 ₆ :	0:45.3:	: 28.3	. 2		:20.6	: 17.7	: 18.6	: 15.0	: 14.6	••	14.7

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School Districts : 25th percentile and below : 26th to 50th percentile 51th to 75th percentile:	e: 76th percentile and above
otal : Urban : Rural : Total	: Urban : Rural
	••
: 19 : 270 : 289 : 30 : 259 : 289 : 25 : 207 : 232 : 18 3 : 30 5 : 79 2 : 28.8 : 29.2 : 29.2 : 24.0 : 23.4 : 23.4	: 30 :150 : 28.8 : 16.9
888 · 7062 : 7307 : 14369	: : : : : : : : : : : : : : : : : : :
20.3 : 32.8: 27.0 : 24.1 : 27.3 : 25.8 : 24.8 : 22.1 : 23.4	:23.4 : 30.7 : 17.8
1.8 88 1.2 89 1 4	: Urban Rural : Total : Urban : Rural : Total : Urban : Rural : Total : Urban : Rural : Iotal : Iotal : Urban : Rural : Iotal : Urban : Rural : Iotal

	General
•	Ability
	Test
	Results

Number and percentage of seventh grade students scoring as to island wide horms for 1969-70

School	.25th percentile and below 26th to 50th percentile: 5	51th to 75th percentile : 76th percentile and above
District	ural Total Urban : Rural : Total :	Urban : Rural: Total : Urban : Rural Total
Juana Díaz		
Cidra	37.6:30.6:35.8:23.2:34.4:26.1:	. 93 : 55 :
Teahela	25.1:28.4:26.5:25.1:26.1:25.5:	: 24.5 : 23.9 : 26.3 : 21.1 :
	. 45 : 104 : 149: 50 : 88 : 138 : 16 7 : 30 9 : 76 4 · 21 9 : 26 · 1 : 24 · 4 :	: 31.6 : 18.1 :
Aguada	: 52 : 116 : 51 : 55 : 106 :	50 : 49 : 99 :
Jayuya	28.8:25.6:27.3:23.0:27.1:24.9	. 99
	: 111 : - : 111 : 37 : - : 2:	: 27.3 : 23.7 :
Las Piedras	0: 83 : 13:	
Barceloneta	: 32.7:29.8: 32.4.21.6 : 27.	42 : 117 : 64 : 45 :
	· · · · · · · · · · · · · · · · · · ·	: 26.1 : 24.3 : 24.3 :
Aguas buena	N : 195 : 113 : 308 : 117 : 71 : 188	72 :
Loíza	: 42.2:40.2:41.5:25.3:25.3:	94 : 40 : 88 :
!	: 61 : 142	26.8 : 26.6 : 18.1 : 17.4 :
Yabucoa	: 21.0: 20.0: 21.321.0	: 3625 : 12733 : 9689 : 2728 : 1
	. 25 7 . 24.1 :	24.5 : 22.9 : 24.0 : 26.1 : 17.2 : 23.4

Table 14
General Ability Test Results
Number and percentage of tenth grade students scoring as to island wide norms
for 1969–70

Districts	:	: 25 th percentile : and below	: 26th to 50th : percentile	: 51 to 75th : percentile	: 76th percentile : and above
Juana Dĭaz	: : N : %	: 197 : 38.0	: : 125 : 24.1	: : 115 : 22.2	: 82 : 15.8
Cidra	: : N : %	: : 102 : 36.7	: 72 : 25.9	: 52 : 22.3	: : 42 : 15.1
lsabe la	: .N : %	: : 100 : 29.7	: 75 : 22.3	: 90 : 26.7	: 72 : 21.4
Aguada	: : N : %		: 77 : 26.1	: 73 : 24.7	: 56 : 19.0
Jayuya	: N : %	: 68 : 23.2	: 67 : 27.8	: 67 : 27.8	: 39 : 16.2
Las Piedras	: : N : %	: : 61 : 27.1	: 59 : 25.2	: 47 : 20.9	: 58 : 25.8
Barceloneta	: N : %	: 94 : 36.9	: : 51 : 23.9	: 60 : 23.5	: 40 : 15.7
Aguas Buenas	: : N : %	: 92 : 36.4	: 71 : 28.1	: 50 : 19.8	: 40 : 15.8
Lo i za		: : 154 : 38.4	: : 112 : 26.2	: : 85 : 19.9	: 66 : 15.5
Yabucoa		: : 136 : 28.8	: : 138 : 29.2	: : 114 : 24.1	: : 85 : 18.0



- B. Common characteristics of Fitle I projects which in our judgement have been most effective in improving educational achievement are the provisions under these projects for:
 - 1. increase in teaching and supervisory personnel.
 - 2. increase in actual number of hours of instruction.
 - 3. decrease in the teacher pupil ratio.
 - 4. increased availability of textbooks, audiovisual aids, and other educational materials.
 - 5. increased availability of proper equipment.
 - 6. increased availability of teacher in service training activities.

V. Some of the most significant effects that the Title I Program has had on the administrative structure and educational practices in our educational system had been already reported in past years reports. In addition to those previously mentioned, are the following:

- 1. The creation of the positions of subject matter Coordinators to serve as local resources to reinforce and improve orientation to classroom teachers and the preparation of adequate teaching materials.
- 2. The appointment of thirty five local Evaluation Coordinators, one in each of the Title I school districts, to coordinate all activities developed to evaluate projects and especially to direct and organize in their districts all data collection activities.
- 3. The creation of additional teaching positions as well as positions of Health Supervisors, School and Community Coordinators, and Social Workers, thus allowing for increased services within each of these programs.
- 4. The appointment of additional supervisors in the five academic programs which has contributed to intensify in-service training for teachers and continued attention to individual teacher's needs.
- 5. The appointment of substitute teachers which has contributed to increase the number of hours of instruction.
- 6. The Physical Education Program was extended to schools where it was still lacking.
- 7. Greater emphasis and attention to the individualization of instruction through such means as: audiovisual aids, teacher



aides, team teaching, grouping by levels, etc.

VI. ADDITIONAL EFFORTS TO HELP THE DISADVANTAGED

A. State funds continued to be used in conjunction with

Title I - ESEA funds in various of the programs carried on during fiscal

year 1969-70. Below is a list of the programs, the objectives and the

amount and proportion of total program funds provided by the Commonwealth:

	1	'Amount of Sta-'		
	1	•	te funds or 'allocation'	Dwanamtian
	Activities	objectives	ariocation	Proportion
1.	Educational Opportunities Center tat Buchanan	To provide educational opportunities for dropout students ages 16-21, from the poorest segment of the population	\$250,000	25%
2.	Residential High School at Cerro Las Mesas, Mayaguez	To offer a group of talented economically deprived high school students interested in science and mathematics learning and living experiences that contribute to a maximum development of their potentialities; to encourage and prepare selected students for a successful career in science and/or mathematics.	\$150,000	33%
3.	Transportation Services	To provide transportation services to needy students in order to improve school attendance and aid school reorganization.	\$ \$777,567 \$ \$777,567	56%
4.	Construction of Classrooms	To accelerate the elimination of double and interlocking enrollment by the construction of additional classrooms. To expand the educational services to students by the construction of other school facilities such as libraries, lunch rooms, sanitary units, offices, etc.	!	2 5%

1		'Amount of Sta-'	
Activities '	Objectives	'allocation '	Proportion
5. Substitute Tea-	To provide uninterrupted classroom instruction for students when the regular teacher is absent, especially in the case of prolonged absences.	50 positions	40%
6. Teacher Positions' to Lengthen the School Day	To provide personnel to reduce double enrollment and teacher-student ratio.	500 positions	37%
7. Teacher Training 'A. Scholarships'	To increase the number of certified teachers in the public school system. To improve teachers' preparation.	77 scholarships	21%
B. In-service training	To train teachers in new methods and techniques which would provide maximum benefit for the education of the disadvantaged students in the public school system.	\$25,000	10%

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B. Examples of the coordination of Title I activities with those of other federally funded programs:

1. Title I and Title II

Title I funds were used for the construction of libraries and books were purchased with Title II funds.

2. Title I and Title III

(a) A project for Community Involvement in Local School Management being conducted under Title III funds coincide in nine of the thirty five school districts with activities and projects being developed with Title I funds. This project, as its title suggests, aims toward

the most effective planning in the utilization of all available resources, including those provided by the State government, Title I or any other source.

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(b) Two demonstration school districts under Title III are also Title I districts. In some cases the activities or innovations being developed in the Title III demonstration districts make use of personnel and other resources provided with Title I funds. For instance, in each of these two districts there is an Evaluation Coordinator appointed with Title I funds who participate in all data gathering activities in these districts.

3. <u>Title I and Title VI</u>

The Special Education Program for Mentally
Retarded Children continued to be reinforced by allocations from Title I and Title VI funds. The supervisory staff appointed with funds provided by
Title VI supervised the classroom and training activities of teachers appointed with Title I funds.

Transportation services were provided by Title VI funds for Title I participants in the project. Teacher training activities were sponsored and developed by Title VI in which Title I teachers participated.

4. Title I and Vocational Education Act

(a) Title I funds were used to develop the curricula for vocational instruction in the following areas: Industrial Arts, Home Economics, Guidance,

Vocational Industry Education, Distribution and Marketting Education and Agricultural Education.

In-service training as well as materials and equipment to reinforce the above mentioned programs were provided by the Vocational Education Ammendment Law of 1968.

5. Title T and Follow Through

A 15% of the total budget assigned to the Follow Through Project is provided from Title I funds. This amount helps meet expenses incurred in the appointment of personnel, materials and equipment and the development of in-service training activities.

VII. The total enrollment of private schools in the island is 88,609 that is a 12% of the overall school population. The total enrollment of private schools participating in the Title I program in 1969-70 is 3,099 which corresponds to a 3% of the total private schools population in the island. The fact that, in general, private schools in Fuerto Rico serve students coming from the upper and middle class, plus the fact that a significant portion of Title I funds in Puerto Rico are being utilized for teachers' salaries and school construction, two activities in which private schools may not participate, account for the limited participation of students from private schools in the Title I program.

Most of the activities developed with Title I funds in private schools were geared toward curriculum enrichment through the use of audio-visual aids and in two cases health services were offered. Activities and services are offered during the regular school day through-out the academic school year.

There were no changes in legal interpretations in Puerto Rico related to financial aid to private schools.

VIII. There were 220 teacher aides appointed with Title I funds in Puerto Rico during F Y 1969-70. Joint teacher and teacher aides in service training programs were not formally conducted but individual on the job training was offered to teacher aides in each school district by Superintendents, School Directors and Master Teachers.

IX. Nature and extent of community and parent involvement in Title I programs.

system was given greater emphasis or attention during 1969-70 than ever before. Committees of ditizens were organized in each school district, and within the Title I program the organization of these committees was one of the assigned responsibilities of Coordinators appointed for the development of the so-called School and Community Relations Program. This program was one of those included under Area II of the Title I Program.

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As in previous years parent and community involvement have been notorious in the operation of various Title I activities, specially in pre-school education, library and cultural enrichment activities.

Some specific examples are:

- Parents and other members of the community in Lares school district actively participated in the planning and development of cultural activities.
- 2. A group of parents in Isabela school district volunteered to give free transportation services to students in a rural area.

- 3. In the Raul Ibarra School at Maricao school district a group of parents organized a school band outside regular school hours.
- 4. Parents in the rural school Botijas 1, school district of Orocovis carried out a series of activities aimed towards the collection of funds for the improvement of the physical facilities of the school.
- 5. Parents of kindergarten children served as volunteer teacher helpers.
- 6. Free services from a pediatrician, a psychologist, a psychiatrist and an ofthalmologist were offered to a needy Title 1 student from Hayes school at Juana Díaz. The parents received orientation and the student was completely rehabilitated.

